

**ABSTRACT OF THE DISCLOSURE**

An apparatus for coding and decoding includes a decoding unit which decodes compressed and coded data to restore original image data, a  
5 storing unit which stores additional information other than the image data in memory, and a coding unit which encodes at least a portion of the additional information stored in said memory as information additional to the image data when  
10 performing second-time encoding of the image data decoded by said decoding unit.